

## EAST Search History

| Ref # | Hits  | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|------------------------------|------------------|---------|------------------|
| L4    | 16    | ("3327776"   "3542124"   "4282927"   "4535386"   "4765397"   "4884168"   "5653285"   "5835345"   "5983997"   "5984000"   "6169658"   "6244332"   "6273183").PN. OR ("6648062").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/11/09 06:58 |
| L5    | 77025 | turbulator turbulence turbulent and (triang\$4 pyramid\$3)   | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/11/09 07:03 |
| L6    | 11589 | (turbulator turbulence turbulent) and (triang\$4 pyramid\$3)   | US-PGPUB;<br>USPAT           | OR               | ON      | 2007/11/09 07:03 |
| L8    | 91695 | (361/687-723).CCLS. or ("165").CLAS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2007/11/09 07:03 |
| L9    | 603   | 6 and 8  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/11/09 07:03 |
| L10   | 42    | ("2488615"   "3628885"   "4180373"   "4236870"   "4278400"   "4416585"   "4443389"   "4470452"   "4474532"   "4514144"   "4515526"   "4534409"   "4537647"   "4577681"   "4627480"   "4668443"   "4727907"   "4872578"   "4997036"   "5052889"   "5070937"   "5156362").PN. OR ("5361828").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/11/09 07:12 |
| L12   | 1     | (10/260064).APP.   | USPAT;<br>USOCR              | OR               | ON      | 2007/11/09 07:22 |
| L13   | 52    | ("20010040027"   "20020029876"   "20020043361"   "20020162673"   "20030036806"   "3776305"   "4093024"   "4392153"   "4635709"   "4646202"   "4652970"   "4727454"   "4727455"   "4884168"   "4894709"   "4998181"   "5199487"   "5271455"   "5365424"   "5579217"   "5623399"   "5631821"   "5636684"   "5719444"   "5804761"   "5814909"   "5828554"   "5901037"   "5915463"   "5925929"   "5930135"   "5966291"   "5978220"   "6002580"   "6031751"   "6137169"   "6166937"   "6196299"   "6219245"   "6236566"   "6326761"   "6327165"   "6340851"   "6367543"   "6414867"   "6442023"   "6529394"   "6563709"   "6580609"   "6618278"   "6729383").PN. OR ("7068507").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/11/09 07:29 |

## EAST Search History

|     |        |  |                              |    |     |                  |
|-----|--------|--|------------------------------|----|-----|------------------|
| L14 | 2      | 09/916322  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/09 07:29 |
| L15 | 1      | ("7068507").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/09 07:51 |
| L16 | 1      | ("6648062").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/09 08:39 |
| L17 | 1809   | ((361/699-703) or (29/890.03) or (165/80.4,104.26,104.33,153) or (174/252)).CCLS.  | US-PGPUB                     | OR | OFF | 2007/11/09 08:44 |
| L18 | 5660   | ((361/699-703) or (29/890.03) or (165/80.4,104.26,104.33,153) or (174/252)).CCLS.  | USPAT                        | OR | OFF | 2007/11/09 08:43 |
| S2  | 1      | 10/576883 and lamination   | US-PGPUB;<br>USPAT           | OR | ON  | 2007/11/08 10:29 |
| S3  | 669994 | (weld\$3 braz\$3 solder\$3)  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/11/08 10:31 |
| S4  | 5625   | ((361/698-703) or (165/80.4-80.5, 104.33)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/08 10:30 |
| S5  | 2128   | S3 and S4  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/11/08 10:30 |
| S6  | 167005 | (weld\$3 braz\$3 solder\$3) and aluminum   | US-PGPUB;<br>USPAT           | OR | ON  | 2007/11/08 10:31 |
| S7  | 1354   | S6 and S4  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/11/08 10:31 |
| S8  | 0      | ("2007/0163765").URPN.   | USPAT                        | OR | ON  | 2007/11/08 10:33 |
| S9  | 1      | (10/047871).APP.   | USPAT;<br>USOCR              | OR | ON  | 2007/11/08 10:49 |
| S10 | 42     | ("20030010050"   "3361195"   "4151548"   "4392362"   "4498118"   "4561040"   "4612978"   "4685512"   "4866570"   "4940085"   "4941530"   "5067047"   "5088005"   "5099311"   "5099910"   "5159529"   "5169372"   "5179500"   "5183104"   "5218515"   "5220809"   "5285347"   "5316075"   "5365749"   "5394936"   "5509468"   "5544696"   "5587880"   "5696405"   "5769154"   "5823005"   "5870823"   "6039114").PN. OR ("6679315").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/08 10:49 |
| S11 | 1      | (10/306545).APP.   | USPAT;<br>USOCR              | OR | ON  | 2007/11/08 10:51 |

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|     |       |   |                              |    |     |                  |
|-----|-------|---|------------------------------|----|-----|------------------|
| S12 | 11    | ("20020124997"   "3417814"   "3512582"   "4009417"   "4704658"   "4949164"   "5099908"   "6139361"). PN. OR ("6662859").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/08 10:52 |
| S13 | 15    | ("4962444"   "5179500"   "5504378"   "5562156"   "5576932"   "5666269"   "5697428"   "5937936"   "6257320"   "6269866"   "6296048"   "6388317"). PN. OR ("6661658").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/08 11:07 |
| S14 | 1084  | (heat adj exchanger) same aluminum near5 braz\$3  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/08 11:08 |
| S15 | 91695 | (361/687-723).CCLS. or ("165").CLAS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/08 11:08 |
| S16 | 512   | S14 and S15   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/08 11:08 |
| S17 | 1     | (10/374136).APP.  | USPAT;<br>USOCR              | OR | ON  | 2007/11/08 11:10 |
| S18 | 90    | ("1049695"   "1318875"   "1775819"   "1996622"   "20030164233"   "20040069474"   "20040238162"   "20050115700"   "20050115701"   "2039593"   "2154216"   "2547668"   "2582358"   "2796239"   "2814470"   "2981520"   "2985434"   "3024003"   "3141500"   "3147800"   "3650310"   "3800868"   "3818984"   "4002200"   "4072188"   "4085728"   "4134195"   "4361184"   "4478277"   "4574876"   "4615129"   "4646815"   "4932469"   "5009557"   "5028989"   "5099311"   "5129473"   "5152255"   "5152339"   "5159529"   "5174258"   "5205348"   "5228511"   "5232066"   "5251718"   "5273386"   "5285347"   "5316077"   "5381510"   "5423376"   "5490559"   "5495889"   "5517757"   "5586614"   "5787613"   "5829517"   "5884588"   "5901037"   "5918664"   "5934364"   "5957230"   "5979542"   "5984000"   "5992552"   "6098706"   "6109217"   "6227290"   "6241011"   "6293338"   "6305463"   "6340053"   "6438840"   "6536516"   "6729389"   "9843512"). PN. OR ("7011142").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/08 11:10 |

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|     |        |  |                              |    |     |                  |
|-----|--------|--|------------------------------|----|-----|------------------|
| S19 | 14     | ("3776305"   "3874183"   "3965971"   "4559995"   "4893390"   "5671802"   "5685361"   "6216677"   "6396692"   "6662859"   "6666263").PN. OR ("6745823").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/08 11:56 |
| S20 | 445    | dip near4 braz\$3  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/08 11:57 |
| S21 | 357    | dip near4 braz\$3 and (cool\$3 heat\$3 thermal\$2)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/11/08 11:57 |
| S22 | 1      | 10/576883  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/11/08 18:35 |
| S23 | 102325 | turbulator turbulence turbulent  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/11/09 07:02 |
| S24 | 5625   | ((361/698-703) or (165/80.4-80.5, 104.33)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/08 18:37 |
| S25 | 431    | S23 and S24  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/11/08 18:37 |
| S26 | 0      | (11/443477).APP.   | USPAT;<br>USOCR              | OR | ON  | 2007/11/08 18:41 |
| S27 | 1      | (09/916322).APP.   | USPAT;<br>USOCR              | OR | ON  | 2007/11/08 18:44 |